

P **Hyptis suaveolens**

Common Name(s)

Wild Hops

How Used

M

Chemical Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0 (E)-BETA-OCIMENE	Shoot --	--	-0.6785097820215906	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0 (E)-BETA-OCIMENE	Shoot --	--	-0.6785097820215906	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0 (Z)-BETA-OCIMENE	Shoot 3	3	-0.4338388422995102	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	(Z)-BETA-OCIMENE	Shoot --		3	-0.4338388422995102	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	1,1,3-TRIMETHYLDECAHYDROCYCLOPROPAZULENE	Plant	140	140		Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	1,3,3-TRIMETHYLBICYCLO{2.2.1}-HEPTAN-2-OL	Plant	80	80		Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	1,4-DIMETHYL,1,2,3,3A,4,5,6,7-OCTAHYDROAZULENE	Plant	195	195		Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
67	1,8-CINEOLE	Plant	130	4555	0.7168850782297921	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
67	1,8-CINEOLE	Shoot	885	885	-0.12290606544238158	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
67	1,8-CINEOLE	Shoot --		885	-0.12290606544238158	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2,5-DIMETHYL-3-METHYLENE-1,5-HEPTADIENE	Plant	125	125	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	2,6-DIMETHYL-6-(4-METHYL)BICYCLO{3.1.1}-HEPT-2-ENE	Plant	110	110	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	3,7-DIMETHYL-1,6-OCTADIEN-3-OL	Plant	180	180	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	3-CYCLOHEXEN-1-CARBOXALDEHYDE	Plant	840	840	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	4,11,11-TRIMETHYL-8-METHYLENE-BICYCLO{7.2.0}-UNDEC-4-ENE	Plant	3320	3320	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	4-METHYL-1-(1-METHYLETHYL)-3-CYCLOHEXEN-1-OL	Plant	260	260	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	5ALPHA-ANDROST-2,11-DIONE	Plant	390	390	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	5ALPHA-ANDROST-9(11)-EN-12-ONE	Plant	270	270	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	5BETA,8BETA,H-9BETA,H-10ALPHA-LAB-14-ENE	Plant	435	435	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation	
0	ALPHA-BERGAMOTENE	Shoot	8	-0.36522942269511943	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
0	ALPHA-BERGAMOTENE	Shoot	--	28	0.3371348517185714	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
3	ALPHA-CADINOL	Plant	125	125	2.2503201518139906	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	ALPHA-CARYOPHYLLENE	Plant	480	480		Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	ALPHA-CARYOPHYLLENE-ALCOHOL	Plant	85	85		Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	ALPHA-COPAENE	Shoot	1.5	1.5	-0.3304934076372329	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-COPAENE	Shoot	--	1.5	-0.3304934076372329	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation	
0	ALPHA-CYMENE	Plant	250	250	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.	
0	ALPHA-FENCHOL	Shoot	--	17	0.7071067811865472	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-FENCHOL	Shoot	17	17	0.7071067811865472	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-GUAIENE	Shoot	6	6	0.37139067635410333	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-GUAIENE	Shoot	--	6	0.37139067635410333	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
2	ALPHA-HUMULENE	Shoot	6	6	-0.365636151793621	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation	
2	ALPHA-HUMULENE	Shoot --	6	-0.365636151793621	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
11	ALPHA-PHELLANDRENE	Plant	285	285	0.8167408097904264	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
11	ALPHA-PHELLANDRENE	Shoot 2	2	-0.30426951788587125	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
11	ALPHA-PHELLANDRENE	Shoot --	2	-0.30426951788587125	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
28	ALPHA-PINENE	Plant	215	215	-0.32932254820963897	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
28	ALPHA-PINENE	Shoot 48	48	-0.14266137343068225	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation	
28	ALPHA-PINENE	Shoot --	48	-0.14266137343068225	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
13	ALPHA-TERPINENE	Plant	130	130	-0.30568368218942593	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
13	ALPHA-TERPINENE	Shoot --	--	-0.48121784426432085	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
13	ALPHA-TERPINENE	Shoot --	--	-0.48121784426432085	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
23	ALPHA-TERPINEOL	Shoot --	9	-0.27655803771004733	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
23	ALPHA-TERPINEOL	Plant	110	110	-0.3953179989451173	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Shoot 9	9	-0.27655803771004733	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-THUJENE	Shoot 21	21	-0.178253686984957	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	ALPHA-THUJENE	Shoot --	21	-0.178253686984957	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	BETA-BOURBONENE	Shoot 15	15	-0.3045345845290352	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	BETA-BOURBONENE	Shoot --	15	-0.3045345845290352	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	BETA-CARYOPHYLLENE	Shoot 7	7	-0.395779872282253	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	BETA-CARYOPHYLLENE	Shoot --	7	-0.395779872282253	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
13	BETA-PINENE	Shoot 80	80	-0.11549654519669107	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
13	BETA-PINENE	Shoot --	80	-0.11549654519669107	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
22	BETULINIC-ACID	Root --	--		Jim Duke's personal files.
35	BORNEOL	Shoot 2	2	-0.3968576510930819	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
35	BORNEOL	Shoot --	2	-0.3968576510930819	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
9	CAMPHENE	Shoot 4	4	-0.13390726711545384	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
9	CAMPHENE	Shoot --	4	-0.13390726711545384	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
41	CAMPHOR	Shoot 12	12	-0.15683169452486825	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
41	CAMPHOR	Shoot --	12	-0.15683169452486825	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
8	CARYOPHYLLENE-OXIDE	Shoot --	265	0.18185264903520085	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
8	CARYOPHYLLENE-OXIDE	Shoot 265	265	0.18185264903520085	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
8	DELTA-3-CARENE	Shoot	--	--	-0.3115189774690341 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
8	DELTA-3-CARENE	Shoot	--	--	-0.3115189774690341 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
3	ELEMENE	Plant	260	260	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	EO	Shoot	2500	2500	-0.7216368571314856 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	EO	Shoot	--	2500	-0.7216368571314856 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	EO	Plant	15000	15000	0.39984481264221844 Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	FAT	Seed	143000	244000	-0.1126560933897892 CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
6	FENCHONE	Shoot	85	85	-0.879915532163174 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
6	FENCHONE	Shoot --		85	-0.879915532163174 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
11	GAMMA-TERPINENE	Shoot	10	10	-0.38742523825529607 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
11	GAMMA-TERPINENE	Shoot --		10	-0.38742523825529607 Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
11	GAMMA-TERPINENE	Plant	175	175	-0.46279038900305325 Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
60	LIMONENE	Plant	390	390	-0.24611497290962095 Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
0	LINALOL	Plant	80	80	-0.41412926214814166 Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	LINALOL	Shoot 34	34	-0.21610443620995665	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	LINALOL	Shoot --	34	-0.21610443620995665	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
63	MENTHOL	Plant --	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
22	MYRCENE	Shoot 1.5	1.5	-0.340626730155575	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
22	MYRCENE	Shoot --	1.5	-0.340626730155575	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
16	P-CYMENE	Shoot 90	90	-0.43005714621325963	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation	
16	P-CYMENE	Shoot --	90	-0.43005714621325963	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
0	PROTEIN	Seed	188000	219000	-0.13161868318546213	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Shoot 240	240	-0.04038227118444531	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
5	SABINENE	Shoot --	240	-0.04038227118444531	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
23	TERPINEN-4-OL	Shoot 100	100	-0.12572878390858302	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	
23	TERPINEN-4-OL	Shoot --	100	-0.12572878390858302	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
9	TERPINOLENE	Shoot --	6	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
9	TERPINOLENE	Shoot 6	6	-0.6325453299683369	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
0	THUJANE	Plant	325	325	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 74.
71	THYMOL	Shoot 4	4	-0.33212320362558717	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.
71	THYMOL	Shoot --	4	-0.33212320362558717	Mallvarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of Hyptis suaveolens (L.) Poit. J. Ess. Oil Res. 5: 321.